USER'S INFORMATION MANUAL

OUTDOOR SPLIT-SYSTEM AIR CONDITIONER

MODELS: 13, 14 & 14.5 SEER SERIES - 1 & 3 PHASE 1 TO 5 TONS

ARI PERFORMANCE CERTIFIED ™ ARI Standard 210/240 Unitary Small AC Certification applies only when the complete system is listed with ARI. www.aridirectory.org

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ISO 9000 REGISTRATION ISO 9001 Certified Quality Management System

TABLE OF CONTENTS

CONTACT INFORMATION 1
HOW YOUR AIR CONDITIONER WORKS 1
SYSTEM OPERATION 1
SETTING THE THERMOSTAT 1
Fan Operation Selection 2
MANUAL CHANGE-OVER THERMOSTAT 2
ELECTRONIC THERMOSTAT 2
TO MAXIMIZE OPERATING EFFICIENCY 2
HEATING CONSERVATION 2
COOLING CONSERVATION 2
CARE OF SYSTEM 2
COIL CARE 2
CARE OF FAN MOTORS 2
FILTER CARE 3
OUTDOOR UNIT FINISH 3
CLEARANCES 3
POWER INTERRUPTION 3
Heating Season 3
Cooling Season 3
SERVICE CALLS 3
PARTS INFORMATION 3
LIMITED WARRANTY 4

CONTACT INFORMATION

- Go to website at www.york.com click on "about us", then click on "contact us" and follow the instructions.
- Contact us by mail:

Johnson Controls Unitary Products
Consumer Relations
5005 York Drive
Norman, OK 73069

This high efficiency air conditioning system has been precision engineered, manufactured of high quality materials, and passed many rigorous tests and inspections to ensure years of satisfactory service. That's why you can rely on efficient, trouble-free operation.

Your system is fully automatic. Set the thermostat and forget it. And it's automatically protected from damage by voltage fluctuations or excessive heating or cooling demands.

Your split system air conditioner consists of two units - one installed outdoors and one installed indoors. The indoor unit may be installed in a basement, attic, or crawl space.

HOW YOUR AIR CONDITIONER WORKS

If your hand is wet and you blow on it, it feels cool because some of the moisture is evaporating and becoming a vapor. This process requires heat. The heat is being taken from your hand, so your hand feels cool.

That's what happens with an air conditioner. During the cooling cycle, your system will remove heat and humidity from your home and will transfer this heat to the outdoor air.

SYSTEM OPERATION

Your thermostat puts full control of the comfort level in your home at your fingertips. DO NOT switch your thermostat rapidly ON and OFF or between HEAT to COOL This could damage your equipment. Always allow at least 5 minutes between changes.

SETTING THE THERMOSTAT

Although thermostats may vary widely in appearance, they are all designed to perform the same basic function: to control the operation of your air conditioning or heat pump system. Regardless of size or shape, each thermostat will feature a temperature indicator; a dial, arm, or push button for selection of the desired temperature; a fan switch to choose the indoor fan operation; and a comfort switch for you to select the system mode of operation.

Only approved thermostats have been tested and are fully compatible with this equipment. *Please be aware that many different thermostats operate on batteries or "power stealing" principals. These types of thermostats can not be supported as trouble free when used with this product.*

A complete operating instruction is provided by the manufacturer for each thermostat. Familiarize yourself with its proper operation to obtain the maximum comfort with minimum energy consumption.

If your system has been designed to allow both cooling and heating operation, you may have either a manual change-over type, or a programmable electronic type thermostat.

Manual change-over simply means that the comfort switch must be manually positioned every time you wish to switch from the cooling to heating or heating to cooling modes of operation.

The computerized electronic thermostat is actually a sophisticated electronic version of a manual change-over type. This thermostat includes features which allow "set-back" temperature variations for periods of sleep, or while you are away during the day, and means energy savings for you. The thermostat also features a digital clock.

⚠ CAUTION

The main power to the system must be kept ON at all times to prevent damage to the outdoor unit compressor. If necessary, the thermostat control switch should be used to turn the system OFF. Should the main power be disconnected or interrupted for 8 hours or longer, DO NOT attempt to start the system for 8 hours after the power has been restored to the outdoor unit. If heat is needed during this 8 hour period, use emergency heat.

Fan Operation Selection

A multi-position fan switch allows you to choose the type of fan operation of the indoor fan.

AUTO - With the thermostat fan switch set to AUTO, the fan will run intermittently as required for either heating or cooling. This position will provide the lowest operating cost. If you purchased one of our thermostats, they have an Intelligent fan mode which continually circulates the air during occupied modes or when you are at home, and can cycle the fan during unoccupied mode or during the night while you sleep to further conserve energy.

ON - If the fan switch is set to ON, the indoor fan will not shut off. However, the system will still operate as required by room temperatures. This provides continuous air filtering and more even temperature distribution throughout the house, which is especially useful in houses with basements.

Usually during spring and fall, when neither heating nor cooling is required, you may want to run only the fan to ventilate, circulate, and filter the air in your home or building. Set the comfort control switch to OFF and the fan switch to ON. Be sure to return the switches to their original positions for normal operation.

MANUAL CHANGE-OVER THERMOSTAT

COOLING YOUR HOME: With the comfort control switch in the COOL position, the system will operate as follows: When the indoor temperature rises above the level indicated by the temperature adjustment setting, the system will start. The outdoor unit will operate and the indoor fan will circulate cool, filtered air. When the room temperature is lowered to the setting selected, the system will shut off.

HEATING YOUR HOME: If your system includes a heating unit and the comfort control switch is in the HEAT position, the system will operate as follows: When the indoor temperature drops below the level indicated by the temperature adjustment setting, the system will start. The heating system will operate and the indoor fan will circulate warm, filtered air. When the room temperature rises to the setting selected, the system will shut off.

Whether heating or cooling, the fan will continue to operate if the fan switch was set in the ON or Intelligent position. The AUTO setting on the fan switch will allow the fan to shut off when your system does.

ELECTRONIC THERMOSTAT

The computerized electronic thermostat, when programmed, will function automatically to operate the system as follows: When the indoor temperature rises above the higher (COOL) setting, the outdoor unit will operate and the indoor fan will circulate cool, filtered air. When the room temperature is lowered to the selected level, the system will shut off. When the indoor temperature drops below the lower (HEAT) setting, the heating system will operate, and the indoor fan will circulate the warm, filtered air. When the indoor temperature rises to the selected setting, the system will shut off. The indoor fan will either shut off or run continuously, depending upon your choice of fan switch setting.

TO MAXIMIZE OPERATING EFFICIENCY

HEATING CONSERVATION

For the most efficient operation, keep storm windows and doors closed all year long. They not only help insulate against heat and cold, but they also keep out dirt, pollen, and noise.

Closing drapes at night, keeping fireplace dampers closed when not in use, and running exhaust fans only when necessary will help you to retain the air you have already paid to heat.

Keep lamps, televisions, or other heat producing sources away from the thermostat. The thermostat will sense this extra heat and will not be able to maintain the inside temperature to the desired comfort level.

COOLING CONSERVATION

To comfortably cool your home, your air conditioner must remove both heat and humidity. Don't turn your system off even though you will be away all day. On a hot day, your system may have to operate between 8 to 12 hours to reduce the temperature in your home to a normal comfort level.

Keep windows closed after sundown. While the outdoor temperature at night may be lower than indoors, the air is generally loaded with moisture which is soaked up by furniture, carpets, and fabrics. This moisture must be removed when you restart your system.

The hotter the outside temperature, the greater the load on your system. Therefore do not be alarmed when your system continues to run after the sun has set on a hot day. Heat is stored in your outside walls during the day and will continue to flow into your home for several hours after sunset.

Use your kitchen exhaust fan when cooking. One surface burner on "HIGH" requires one ton of cooling. Turn on your bathroom exhaust fan while showering to remove humidity. However, exhaust fans should not be run excessively. It would decrease efficiency by removing conditioned air.

You can also help your system in the summer by closing drapes or blinds and by lowering awnings on windows that get direct sunlight.

CARE OF SYSTEM

IMPORTANT: The owner/user should not attempt to disassemble the equipment nor perform periodic maintenance unless they are experienced and qualified to do so.

A periodic inspection, cleaning, lubrication, and adjustment of your air conditioner is available from your dealer. Be sure to ask him about this service.

For those who prefer to do-it-yourself, follow the instructions below to care for your system.

COIL CARE

Keep the outdoor unit free of loose snow, foliage, grass clippings, leaves, paper, and any other material which could restrict the proper air flow in and out of the unit. The coil may be vacuumed to remove any debris from between the fins. However, don't knock ice off the outdoor unit's coil surface following an ice or severe snowstorm. The blows could mash the coil fins shut (blocking air passage), or break the refrigerant tubing allowing the refrigerant to escape.

If the coil becomes excessively dirty, turn the main disconnect switch to OFF and wash the coil with your garden hose. Avoid getting water into the fan motor and control box. Flush dirt from base pan after cleaning the coil.

CARE OF FAN MOTORS

Some fan motors are provided with lubrication ports. Inspect your indoor and outdoor units to determine whether or not lubrication ports are provided.

The fan motor is shipped with an oil supply which will last for several years under normal operating conditions. After this time, each motor bearing should be oiled with 10-15 drops (approximately 1/4 teaspoon) of SAE 20 non-detergent electric motor oil or automobile oil. DO NOT use definite purpose oils such as sewing machine, cleaning, rust preventative, cutting, household, etc.

SCHEDULE FOR LUBRICATION		
Running Hours Per Day	Environment	
	Normal	Dirty
0-8	Every 5 Yrs.	Every 4 Yrs.
9-16	Every 4 Yrs.	Every 3 Yrs.
17-24	Every 3 Yrs.	Every 2 Yrs.
Do not over oil		

If your system is an add-on type, (installed in conjunction with a standard furnace) inspect your furnace blower motor and care for it in the same way.

FILTER CARE

Inspect the air filter(s) at least once a month. If they are dirty, wash reusable filters with a mild detergent per manufacturer's recommendations. Replace disposable filters with new filters.

Install the clean filters with "air flow" arrow in the same direction as the air flow in your duct. Filters should be clean to assure maximum efficiency and adequate air circulation. Drapes, furniture or other obstructions blocking your supply and return air grilles will also decrease efficiency.

OUTDOOR UNIT FINISH

If you wish to maintain the finish of the outdoor unit, it can be polished with car wax. It is recommended the unit be cleaned with soap and water prior to waxing.

TROUBLESHOOTING GUIDE

PROBLEM	CHECK	ACTION TO TAKE	FAULT CODE
No Heat or Cooling	1. Thermostat for proper settings.	Set thermostat to proper setting.	-
	2. Circuit breakers and fuses.	Reset circuit breakers - Replace blown fuses.	-
	3. Check outdoor unit for dirty coil (Cooling).	Clean coil, see COIL CARE section.	2
	4. Outdoor unit for snow accumulation. (Heating).	Remove loose snow only.	3
	5. Indoor unit for dirty filter (Heating).	Clean or replace, see FILTER CARE section.	2
	6. Emergency heat light status on thermostat.	Check 1 - 5, call qualified service person.	2
	Light on = Malfunction	Check 1 - 5, call qualified service person.	-
	Light flashing = Malfunction	Check 1 - 5, call qualified service person with fault code.	-
Wet on Floor or in Furnace	Condensate drain and "P" trap	Remove blockage, usually mold or fungus.	-

CLEARANCES

The minimum clearances shown below must be maintained should any patio or yard improvements be done around the outdoor unit.

	Vertical Discharge	Horizontal Discharge
Top	60" (1.52 m)	N/A
Coil Side	6" (15.2 cm)	6" (15.2 cm)
Access	18" (46 cm)	24" (61 cm)
Fan Side	N/A	6" (15.2 cm)

POWER INTERRUPTION

When ice, snow, wind storms, etc. disrupt electrical power supply to your house, proceed as follows:

Heating Season

1. Switch thermostat to emergency heat.

NOTE: There will be no heat available until power is re-established.

2. Leave on emergency heat for at least 8 hours after electrical power is re-established if the power was off more than 8 hours.
3. Switch thermostat back to heating or auto.

Cooling Season

1. Switch thermostat to OFF position.
2. Do not switch to cooling or auto until electrical power has been re-established for 8 hours if the power was off more than 8 hours.

SERVICE CALLS

There are a few instances where you can avoid unnecessary service calls. (See Troubleshooting Guide above). Some models provide fault codes. The flashing light on the system thermostat is capable of providing you with time and money saving information. The fault code numbers listed can be handled by taking the corrective action indicated. Call qualified service person if displaying fault code numbers **not** listed.

PARTS INFORMATION

Replacement parts are available from local contractor/dealers or the nearest distribution center.

Limited Warranty

Johnson Controls Unitary Products (hereinafter "Company") warrants this product to be free from defects in factory workmanship and material under normal use and service and will, at its option, repair or replace any parts, without charge, subject to the exclusions below, that prove to have such defects according to the terms outlined on this warranty. This warranty covers only the equipment described by the Product Model Number and Serial Number on the equipment or listed on the Warranty Registration Card and applies only to products installed in the United States or Canada.

FOR WARRANTY SERVICE OR REPAIR:

Contact the installer or a Company dealer. You may find the installer's name on this page or on the equipment. You can also find a Company dealer online at www.yorkupg.com. For help finding a servicing dealer, contact: Johnson Controls Unitary Products, Consumer Relations, 5005 York Drive, Norman, OK 73069. Or, by phone 877-874-7378. All warranty service or repair will be performed during regular business hours, Monday through Friday 9:00am-5:00pm.

Product Model No._____ Installation Date_____

Unit Serial No._____ Installing Dealer_____

FOR PRODUCT REGISTRATION: For your benefit and protection, return the Warranty Registration Card to Company promptly after installation. This will initiate the warranty period and allow us to contact you, should it become necessary. This warranty extends only to the original consumer purchaser and is non-transferable. For this warranty to apply, the product must be installed according to Company recommendations and specifications, and in accordance with all local, state, and national codes; and the product must not be removed from its place of original installation. The warranty period for repair or replacement parts provided hereunder shall not extend beyond the warranty period stated below. In the absence of a recorded Warranty Registration Card, the warranty period will begin upon product shipment from Company. If you are unaware of the date the warranty became effective, contact Company at 877-874-7378 or visit www.upgproductregistration.com. You can register your product online at www.upgproductregistration.com or by returning the Warranty Registration Card on the back page of this packet.

The warranty period in years, depending on the part and the claimant, is as shown in the chart below.

CONDENSING UNITS[1]		
CONDENSING UNITS	**COMPRESSOR**	**PARTS**
H*RD, H*BD, ERCS, AC13, H*ZD, CCBD, LCBD, TCGD-2, GCGD, AY	5	5
TCGD-4	5	5 or 10†
YCJD-2, CCJD-2, LCJD-2	10	5
H*RE, FRCS, H*BE	10	5
TCGF, YCJF, YCJD-4, YCHD, CCJF, CCJD-4, LCJF, LCJD-4	10	5 or 10†

1. All 3 phase condensing units have 5-year compressor and 1-year parts (Model Numbers with S43/S44, 25/46 or T/W voltage codes).

† To qualify for the extended 10-year parts warranty, the unit must be registered online at www.upgproductregistration.com within 90 days of installation for replacement or 90 days of closing for new home construction. In some states, registration is not required, but proof of installation may is required to qualify for the 10-year parts warranty. Guardian Brand products have a 5-year compressor and 5-year parts warranty and are not eligible for the 10-year parts warranty.

Company strongly recommends regular periodic preventative maintenance on this equipment. The person most familiar with the equipment in your HVAC system is a Company dealer. The Company dealer can ensure your maintenance program meets the conditions of the "Company Warranty", maximize the efficiency of the equipment, and service your unit within the mandated guidelines with regard to unlawful discharge of refrigerants into the atmosphere.

EXCLUSIONS

This warranty does not cover any:

1. Shipping, labor, or material charges or damages resulting from transportation, installation, or servicing.
2. Damages resulting from accident, abuse, fire, flood, alteration, or acts of God (tampering, altering, defacing or removing the product serial number will serve to void this warranty).
3. Damages resulting from use of the product in a corrosive atmosphere.
4. Damages resulting from inadequacy or interruption of electrical service or fuel supply, improper voltage conditions, blown fuses, or other like damages.
5. Cleaning or replacement of filters or damages resulting from operation with inadequate supply of air or water.
6. Damages resulting from failure to properly and regularly clean air and/or water side of condenser and evaporator.
7. Damages resulting from: (I) freezing of condenser water or condensate; (II) inadequate or interrupted water supply; (III) use of corrosive water; (IV) fouling or restriction of the water circuit by foreign material or like causes.
8. Damages resulting from use of components or accessories not approved by Company (vent dampers, etc.).
9. Increase in fuel or electric cost.

This warranty is in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose.

Some states do not allow the disclaimer of implied warranty, so that the above disclaimer may not apply to you. Some states only allow a partial limitation on implied warranties to limit the duration of implied warranties to the duration of the express warranty. In such states, the duration of implied warranties is hereby expressly limited to the duration of the express warranty on the face hereof. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

In no event, whether as a result of breach of warranty or contract, tort (including negligence), strict liability, or otherwise, shall Company be liable for special, incidental, or consequential damages, including but not limited to loss of use of the equipment or associated equipment, lost revenues or profits, cost of substitute equipment or cost of fuel or electricity. The above limitations shall inure to the benefit of Company's suppliers and subcontractors. The above limitation on consequential damages shall not apply to injuries to persons in the case of consumer goods.

Company does not assume, or authorize any other person to assume for Company, any other liability for the sale of this product. Some states do not allow the exclusion or limitation of incidental or consequently damages, so the above limitation may not apply to you.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

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Supersedes: 126114-UUM-M-0409

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